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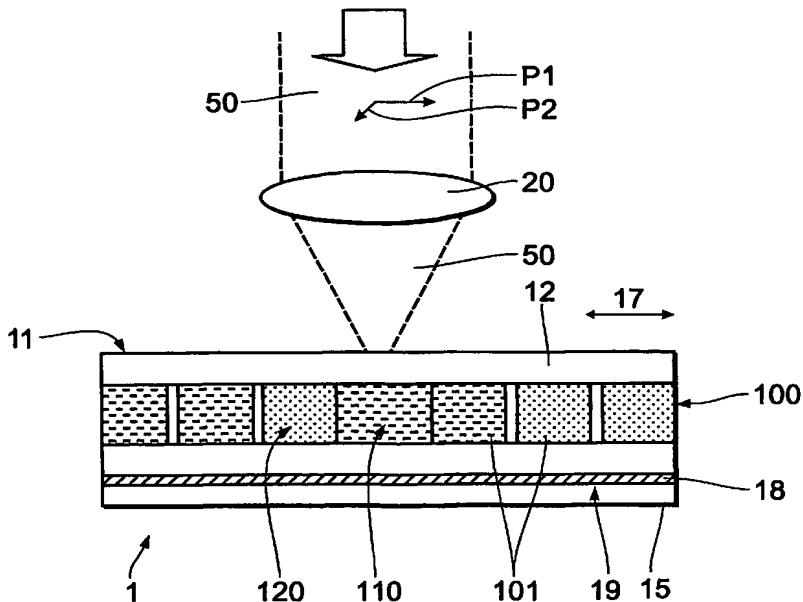
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(54) Title: OPTICAL INFORMATION RECORD MEDIUM



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(57) Abstract: An optical information record medium (1) has at least one information layer (100) comprising a transparent substrate wherein nano-elements (101), for example nanotubes, having a symmetry axis are embedded. Information can be recorded by orienting the axes of the nano-elements within selected regions (110,120) in the same direction. Information can be read from the medium by means of a radiation beam having a polarization direction (p1, p2) corresponding to the said direction of the nano-elements, thereby creating absorptive information areas (110,120). In this way high information density can be achieved.